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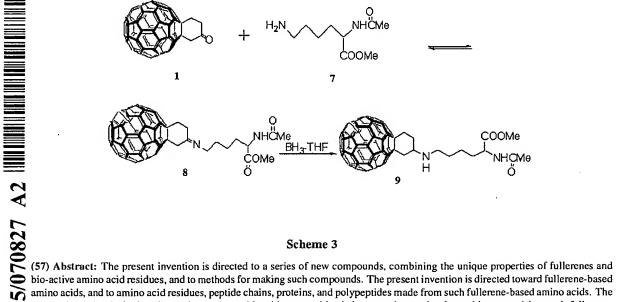
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- (71) Applicant (for all designated States except US): WILLIAM MARSH RICE UNIVERSITY (US/US); 6100 Main Street, Houston, TX 77005 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BARRON, Andrew, R. [GB/US]; 241 Asbury, Houston, TX 77007 (US). YANG, Jianzhong [CN/US]; 2209 S. Braeswood, No. 31J, Houston, TX 77030 (US).

- (74) Agents: GARSSON, Ross, Spencer et al.; Winstead Sechrest & Minick P.C., P.O. Box 50784, Dallas, TX 75201 (US).
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(54) Title: FULLERENE BASED AMINO ACIDS



amino acids, and to amino acid residues, peptide chains, proteins, and polypeptides made from such fullerene-based amino acids. The present invention is further directed to amino acid residues, peptide chains, proteins, and polypeptides comprising such fullerenebased amino acids and into which such fullerene-based amino acids have been incorporated. Exemplary compounds have been prepared, and these compounds have been characterized and confirmed with infrared (IR) spectroscopy, nuclear magnetic resonance (NMR) spectroscopy, mass spectrometry (MS), etc. These new compounds, which are additions to the existing amino acid residue family, may potentially possess useful pharmaceutical application and may provide a new platform for further exploration in cancer therapy, and peptide and protein engineering.



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